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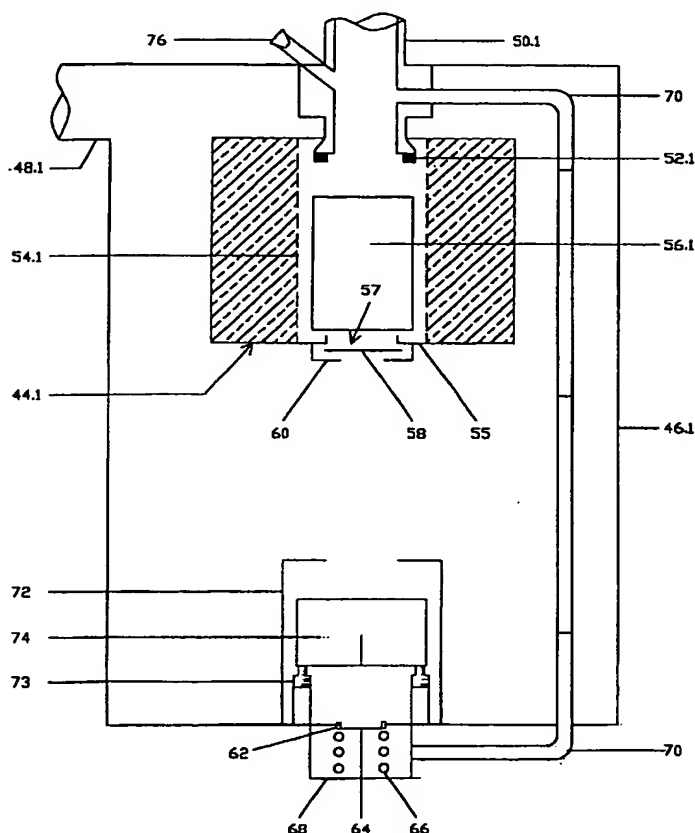
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(54) Title: FILTERS



(57) Abstract: A filter is disclosed which comprises a housing (46.1) having an inlet (48.1) and an outlet (50.1) and a filter cartridge (44.1) having a core (54.1). A float (56.1) in the core (54.1) has a buoyancy such that it sinks in the liquid product to be filtered and floats in a liquid which contaminates the liquid product. A seat (52.1) is provided at the upper end of the core (54.1) so that, as the level of contaminant liquid in the housing (46.1) increases, the float (56.1) rises in the core (54.1) and presses against the seat (52.1) to isolate the inlet (48.1) from the outlet (50.1) and thus flow through the filter is terminated. A drain outlet is provided at the lower end of the housing (46.1) and comprises a chamber (68) and a seat (62) against which a sealing element is pressed by a spring (66). The chamber (68) is connected to the outlet (50.1) by a pipe (70). Pressing of a vacuum release button (76) opens the chamber (68) to the atmosphere which creates a suction effect that overcomes the force of the spring (66) and allows the seat (64) to move downwards allowing liquid contaminant to exit the housing (46.1) via the pipe (70) and outlet (50.1).

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